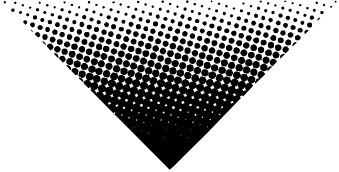


CH-302A Cosmos 2.0

USER MANUAL



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BEFORE YOU BEGIN

What is included

- 1 x Cosmos 2.0 (CH-302A), (2) Dome covers, (2) Disc covers
- Power cord with plug
- (24) clear lenses, (74) colored lenses
- (2) x 64514 300w lamps
- Warranty Card

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

AC Power

To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixture's specifications chart. A fixture's listed current rating is its average current draw under normal conditions. All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch. Before applying power to a fixture, check that the source voltage matches the fixture's requirement.

Check the fixture or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.

Figure 1 - AC Voltage Switch



Not all fixtures have a voltage select switch. Please be sure to connect to the proper voltage.

Warning!

Verify that the power select switch on your unit matches the line voltage applied. All fixtures must be connected to circuits with a suitable Earth Ground.

Safety Instructions



Please read these instructions carefully, which includes important information about the installation, usage and maintenance?



- Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on decal or rear panel of the fixture.
- This product is intended for indoor use only!
- To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 50cm from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing lamp or fuse and be sure to replace with same lamp source.
- Secure fixture to fastening device using a safety chain. Never carry the fixture solely by its head. Use its carrying handles.
- Maximum ambient temperature is Ta: 40°. Do not operate fixture at temperatures higher than this.
- In the event of serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. Always use the same type spare parts.
- Don't connect the device to a dimmer pack.
- Make sure power cord is never crimped or damaged.
- Never disconnect power cord by pulling or tugging on the cord.
- Avoid direct eye exposure to lamp while it is on.

Caution!

There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact CHAUVET.

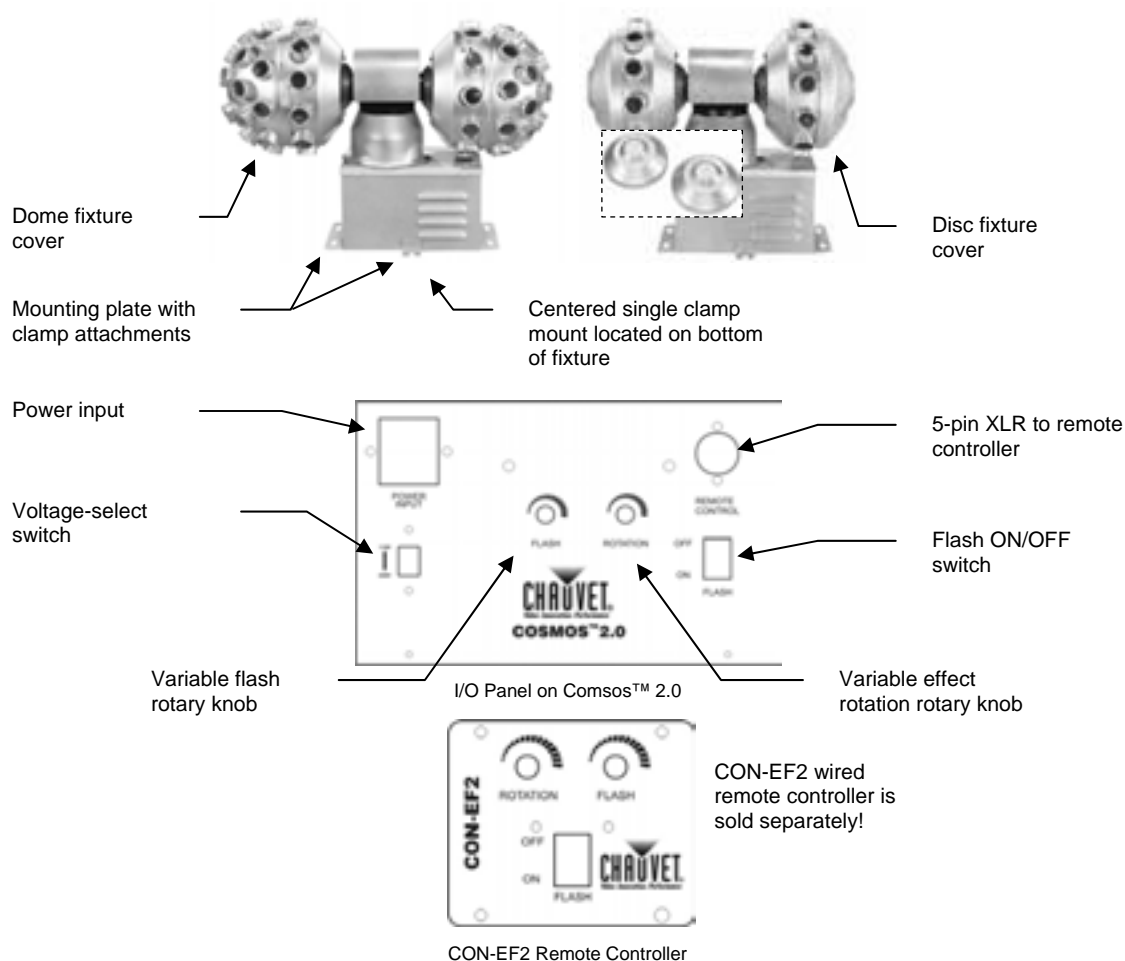
INTRODUCTION

Choose from either a classic UFO spin effect or the ever popular multi-ray sphere. Cosmos 2.0 lets you do both for a spectacular lighting display of rays. The user can choose from white rays, colored rays or a mix by changing the additional lenses provided. Mobile DJs will find on-board controls especially useful in slow dance sets as well as fast rhythms by being able to control the speed of rotation and flash.

Features

- 2 fixture styles (dome or disc)
- 74 interchangeable colored lens installed on dome
- 24 additional clear lens (included)
- centered rigging point for single clamp mount
- easy lamp access
- on-board control features
 - flash/full-on (switch)
 - flash speed (knob)
 - rotation speed (knob)
- optional wired remote
- 360° rotation on both axis
- wide area light dispersion

Product Overview



SETUP

Lamp

You will need to install a lamp prior to the initial operation of the fixture. Two 64514 halogen lamps are included.

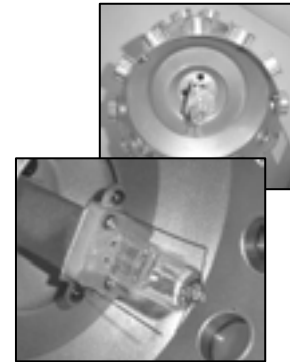
Warning!

When replacing the lamp, please wait 15 minutes after powering down to allow the unit to cool down! Always disconnect from main power prior to lamp replacement.

Do not touch the envelope (glass area) of the bulb with bare hands. If this happens, clean the lamp with alcohol and wipe it with a lint free cloth before installation.

LAMP INSTALLATION

- 1) Remove the 3 screws on both of the fixture lamp covers.
- 2) If replacing the lamp, remove old lamp first.
- 3) Reach in with the lamp out of the retaining cage.
- 4) Detach the lamp from the lamp socket and replace.
- 5) Replace lamp face plate, align the screw holes and fasten the screws.
- 6) No lamp alignment is necessary for this fixture since the lamp is already optimized inside the reflector.



Power

Your product is equipped with switch-selectable AC power setting.

Slide switch up or down depending on your line voltage.

Warning!

Verify that the power select switch on your unit matches the line voltage applied. All fixtures must be connected to circuits with a suitable Earth Ground.



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- A fixture's listed current rating is its average current draw under normal conditions.
- All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch.
- Before applying power to a fixture, check that the source voltage matches the fixture's requirement.
- All fixtures must be connected to circuits with a suitable Earth Ground.

Mounting

It is important never to obstruct the fan or vents pathway. Mount the fixture using a suitable "C" or "O" type clamp. Ideally, this fixture is best orientated with the spinning spheres on the bottom and the base of the unit on top.

- When selecting installation location, take into consideration lamp replacement access and routine maintenance.
- Safety cables should always be used.
- Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.



Clamp sold separately!

OPERATING INSTRUCTIONS

GENERAL OPERATION

The Cosmos 2.0 is designed to operate either independently or via an optional CON-EF2 wired remote controller. There is no power switch on the unit. Plugging the Cosmos 2.0 to AC power will immediately cause it to spin.

FLASH ON/OFF & ROTARY KNOB

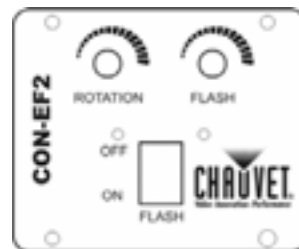
Turning the **FLASH** On/Off switch to “On” will cause the Cosmos 2.0 to flash intermittently. The rate of the flash can be adjusted using the **FLASH** rotary knob.

ROTATION ROTARY KNOB

The **ROTATION** rotary knob affects the speed of the mechanical rotations on the Cosmos 2.0.

CON-EF2 WIRED REMOTE (OPTIONAL)

The CON-EF2 provides an extension to the same on-board controls on the Cosmos 2.0. This optional controller would provide the user the ability to shift from fast rotations with flash for faster rhythms to slow rotation and no flash for ballads or mood remotely.



To learn more about other CHAUVET products visit us at www.chauvetlighting.com.

APPENDIX

General Maintenance

To maintain optimum performance and minimize wear fixtures should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off fixture before conducting maintenance.

Unplug fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass when the fixture is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue. Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens. Gently polish optical surfaces until they are free of haze and lint. Do not touch the lamp glass when cleaning fixture. Oil and dirt can cause damage and premature aging of the lamp. In the event that the lamp is touched or becomes dirty, clean the lamps with an alcohol wipe.

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. - Always dry the parts carefully. - Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

Returns Procedure

Returned merchandise must be sent prepaid and in the original packing, call tags will not be issued. Package must be clearly labeled with a Return Merchandise Authorization Number (RA #). Products returned without an RA # will be refused. Call CHAUVET and request RA # prior to shipping the fixture. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to properly pack fixture, any shipping damage resulting from inadequate packaging is the customer's responsibility. CHAUVET reserves the right to use its own discretion to repair or replace product(s). As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

Claims

Damage incurred in shipping is the responsibility of the shipper; therefore the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a fixture is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise.

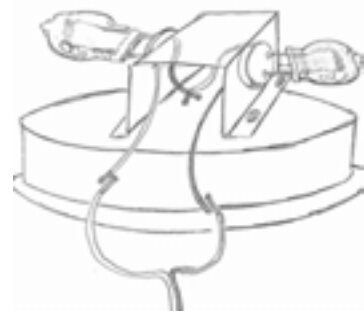
General Troubleshooting

Symptom	Solution(s)	Applies to			
		Lights	Foggers & Snow	Controllers	Dimmers & Chaser
Auto shut off	Check fan thermal switch reset	✓			
Beam is very dim or not bright	Clean optical system or replace lamp Check 220/110v switch for proper setting	✓			
Breaker/Fuse keeps blowing	Check total load placed on device				✓
Chase is too slow	Check users manual for speed adjustment	✓		✓	✓
Device has no power	Check for power on Mains. Check device's fuse. (internal and/or external)	✓		✓	✓
Lamps cuts off sporadically	Possible bad lamp or fixture is overheating. Lamp may be at end of its life.	✓			
Motor movements are jerky or jumpy	Possible bad motor driver or sensors Check polarity switch on controller	✓		✓	
Moves slow	Check 220/110v switch for proper setting	✓			
No flash	Re-install bulb, may have shifted in shipping	✓			
No light output	Check slip ring & brushes for contact Install bulb Call service technician	✓			
Relay will not work	Check reset switch Check cable connections				✓
Remote does not work	Make sure connector is firmly connected to device	✓	✓		
Unit wobbles when rotating	Check for damages possibly incurred during shipping	✓			

Lamp (in-series) Wiring Drawing for 230V Operation

In prior tests of the 230V version of the 64514 known as the 64516 or 64515, failure of the lamp was common place due to rapid fixture movement during normal operations and penetrating sound waves produced in low frequency based music.

Many customers around the world in places where power is served at 230V or 240V have noticed that connecting the 64514 (120V) lamps in series is the most effective and economical method. Tests have shown that the lamp will hold much longer than their 230V counter parts.



Technical Specifications

WEIGHT & DIMENSIONS

Length.....	216 mm (8.5 in)
Width	432 mm (17 in)
Height	356 mm (14 in)
Weight	5.67 Kg (12.5 lbs)

POWER

Switch-selectable power setting	115V 60 Hz or 230V 50 Hz
AC input.....	3-prong IEC 60320 C14

LAMPS

64514 x (2) 115V	300 hr, 300W
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THERMAL

Maximum ambient temperature.....	40° (104° F)
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FUSE

(115V) Main	20mm Glass 10A Fast Blow – F10A 125V
(230V) Main	20mm Glass 7A Fast Blow – F7A 250V

ORDERING INFORMATION

Cosmos 2.0	CH-302A
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OPTIONS

Cosmos 2.0 Wired Controller	CON-EF2
Fuse 10A	P170FUSE010
Fuse 7A	P170FUSE007